

EXHIBIT 9

-145 ATGTC
 -140 CATGAACCTG TGAATGGAATA ACACGACCGG GATATCTCTG TCTAAAGGAA TATTACTACA CCAGGAAAG
 -170 GACACATTGC AACAGAGAA AGACGCTCTT CACAGAAAC CACAGCTCTG TCTGATCTG ACATTGGCC
 ATG GGA AAC TGT TAC AAC CTC GTG GTG ATT GTG GTG GTG CTA GTG GGC TGT GAG AAG 60
 1 Met Gly Asn Asn Cys Tyr Asn Val Val Val Val Val Leu Leu Leu Val Val Cys Glu Lys 20

61 GTG GGA GGC GTG CAG AAC TCT TCT GAT AAC TGT CAG CCT GGT ACT TGT TGC AGA AAA TAC 120
 21 Val Gly Ala Val Gly Asn Ser Cys Asp Asn Ser Cys Glu Pro Gly Thr Phe Cys Arg Lys Lys 40

121 AAT CCA GTG TGC AAG AGC TGC CTT CCA AGT AGC TGT AGC AGC ATA GGT GAG CAG CCG AAC 180
 41 Asn Pro Val Cys Lys Ser Cys Pro Pro Ser Thr Phe Ser Ser Lys Gly Glu Lys Pro Asn 60

181 TGT AAG ATC TGC AGA GTG TGT CCA GGC TAT TCT AGG TTC AAG AAG TTT TGC TGT TCT ACC 240
 61 Cys Asn Ile Cys Arg Val Cys Ala Gly Tyr Phe Arg Phe Lys Lys Phe Cys Ser Ser Thr 80

241 CAC AAC GGC GAG TGT GAG TGC ATT GAA GGC TCT CAT TGC TTG GGC CCA CAG TGC ACC AGA 300
 81 His Asn Ala Glu Cys Glu Cys Ile Glu Gly Phe His Cys Leu Gly Pro Gln Cys Thr Arg 100

301 TGT GAA AAG GAC TGC ACC CTT GGC CAG GAG CTA AGC AAG CAG GGT GGT AAA ACC TGT AGC 360
 101 Cys Glu Lys Asp Cys Arg Pro Gly Gln Glu Leu Thr Lys Gln Gly Cys Lys Thr Cys Ser 120

361 TGT GGA ACA TTT AAT GAG GAG AAC GGT ACT GGC TGT TGT CCA CCC TGT AGC AAG TGC TCT 420
 121 Leu Gly Thr Phe Asn Asn Gln Asn Gly Thr Gly Val Cys Arg Pro Thr Thr Asn Cys Ser 140

421 CTA GAG GGA AGG TCT GTG CTT AAG ACC GGC ACC ACC GAG AAG GAG GTG GTG TGT GGA CCC 480
 141 Leu Asp Gly Arg Ser Val Leu Lys Thr Gly Thr Thr Glu Lys Asp Val Val Cys Gly Pro 160

481 CCT GTG GTG AGC TTC TCT CCC AGT ACC ACC ATT TCT GTG ACT CCA GAG GGA GGA CCA GGA 540
 161 Pro Val Val Ser Phe Ser Thr Thr Thr Ile Ser Val Thr Pro Glu Gly Gly Pro Gly 180

541 GGG CAC TCC TTG CAG GTC CTT ACC TTG TTC CTG GCG GTC GCT TTG CTG CTG GCG 600
 181 Gly His Ser Leu Gln Val Leu Thr Leu Phe Leu Ala Leu Thr Ser Ala Leu Leu Leu Ala 200

601 CTG ATC TTC ATT ACT CTC CTG TTC TCT GTG CTC AAA TGG ATC AGG AAA AAA TTC CCC CAC 660
 201 Leu Ile Phe Ile Thr Leu Leu Phe Ser Val Leu Lys Tyr Ile Arg Lys Lys Phe Pro His 220

661 ATA TTC AAG CAA CCA TTT AAG AAG ACC ACT GGA CCA GCT CAA GAG GAA GAT GCT TCT AGC 720
 221 Ile Phe Lys Gln Pro Phe Lys Lys Thr Thr Gly Ala Ala Gln Glu Glu Asp Ala Cys Ser 240

721 TGC CAA TGT CCA CAG GAA GAA GAA GGA GGA GGA GGC TAT GAG CTG TGA TGTACTACT 780
 241 Cys Arg Cys Pro Gln Glu Glu Glu Gly Gly Gly Gly Tyr Glu Leu ---

781 CTAGGAGATG TGTGGCGCGA AACCAGAAAG CACTAGGACC CCACCATCTT GTGGAACAGC ACAAGCAACC 850
 851 CCACCAACCT GTTCTAGAC ATCATCTAG ATGATGTGTG GGGGGCGACC TCATCTCAAGT CAGTCTTAAC 920
 921 TGTGACATAT TGTCTTAC CTFTTTTAAA TCFTTTTAAA AATTAAATTA TATATGTGT GAGTGTGTT 990
 991 CTTGCTGTGA TCGACAGGTG TGTGTGTGTG TGTGTGTGAC ACTCTGTGAT CTTGAGTGA TCAGAGAAA 1060
 1061 AAGGCTGTGT TGTATAGAAA CTGCAATAT CAGTGTCTGT GAGCGGMB CAGTGTGTG CAGCGAGAAC 1130
 1131 TGTCTCTTAT TTTTACGTG ACTGTATAT AAAAAAAAAA TGATATTG GGAATTGAG AGATTGTCT 1200
 1201 GACACCTCT TACTTAAGA TCTAAGAGGA ATTGTGATA CAGTATATAC TGTATATGT TGTATATAT 1270
 1271 TATATGLATA TATAAGCTC TTTTACTGTC AAGTCAACC TAGAGTGTCT GGTATCAGAG TGAATTATAT 1340
 1341 TGCAGATTAT ACGTCACACA CACACACACA CACACACACA CAGTTTATA CTACGTACTAT TATCGGATAT 1410
 1411 CTGACCTTAT ATAATGGAT AGGTAAGAG GAAACCAAG AGTAGTGTAT ATTATTTGGA GTGACAGAA 1480
 1481 CTACCCCTCT TGGGTACGTA GGGACAGACC TCCTTCGGAC TGTCTAAAA CTCTCTAGA AGTCTGTCTA 1550
 1551 AGTTCGCGGA CAGAGAGGAC AGAGGAGACA CAGTCCGAAA AGTATTATT CCGCGAATAT CTTTCCTGCT 1620
 1621 TGTCTGACAC TCGACCCCTT GTGGACACTT GAGTGTCTAT CTTGGCGCGG AAGGTGAGT GTATACCTCT 1690
 1691 TTAGGGCGCG GGGAGACAGA GCGCGGGGGG AGCTACGAGA ATGCACTCAC AGGGCGGCT GGGTGTGGA 1760
 1761 AATGAAGCTT TTTTAACTC ACAAGTTTGG TCGGGGCTGG CGGACCTAT CGGCTGGAT CTATTACTAT 1830
 1831 TATGCTGGCG CAGAGATAAA ACNACAAAA GCTTCTACT CCGTACTAAT TCTCGCTGG CGGCGGTA 1900
 1901 AGCATATGCG GGCATCTCT ACTTAAAGA CTTGCGGCT TCTCTGCTG TCTGCTTGT GTAAAGCTTT 1970
 1971 CTACAAAAG TAATTACTGT TGTCTTAC CTTCAACCT TCTGTACTG TATCGGAGCA TCAAGCTGTT 2040
 2041 TATTCTGAT GGTCTACGCG TACGCGCGCG CAATAAGGT ACTGGGCGCG CTTGCGAAG CCCTTTGGTT 2110
 2111 TCAGAAACCC AAGCGCGCCC TCATACCAAC GTTTCAGCTT TGATTCTTCC CGGTAGGTGG TGGTGGTGG 2180
 2181 CTTAGCTCTT TCTGATAGT TAG AC

338
105

273

length mouse

378

-105

273

GAAT